

FIG. 1

C 112

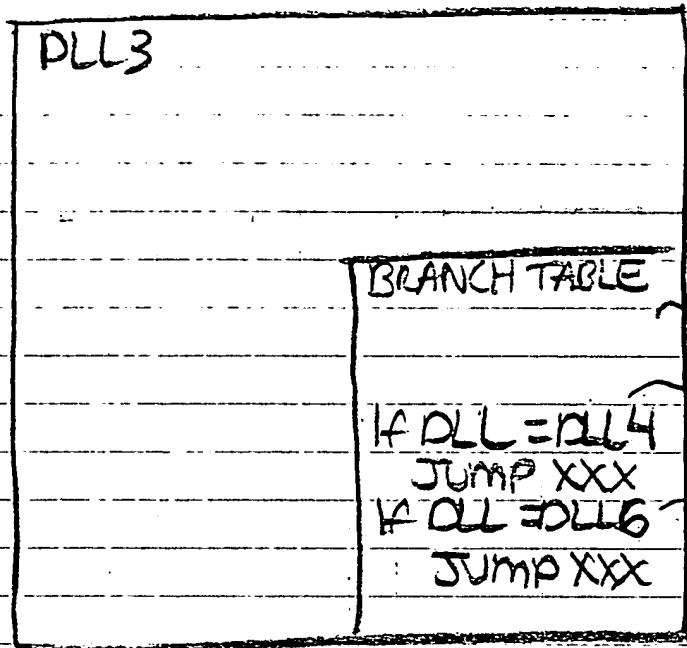


FIG 2A

C 112

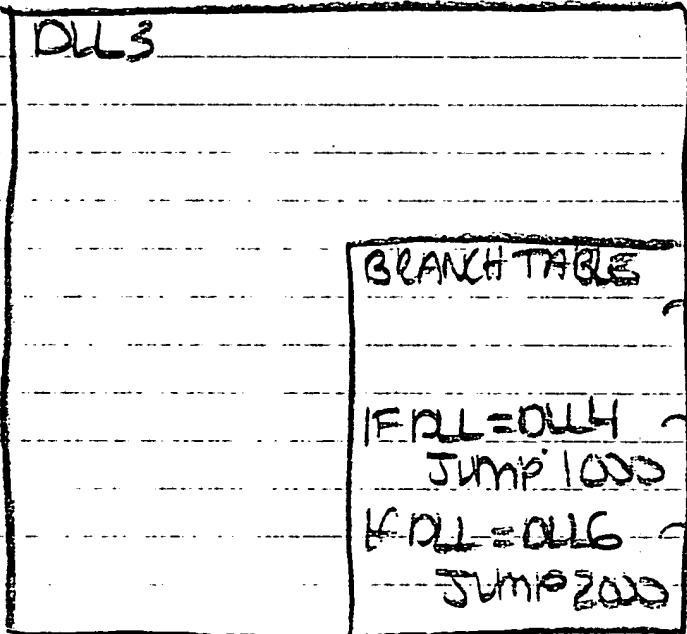


FIG. 2B

Interface Manager

~302

Determine configuration of hardware interface, where the configuration corresponds to a set of DLLs to be executed to complete the configuration

~304

Compare the configuration against a set of rules that specify a hierarchical order in which the set of DLLs are to be executed in relation to one another

~306

Obtain the set of DLLs and the hierarchical order

~308

Load the set of DLLs (e.g., in reverse order)

~310

Build a chain connecting the set of DLLs such that the set of DLLs will automatically execute in the hierarchical order

~312

FIG.3

DETAILED DESCRIPTION

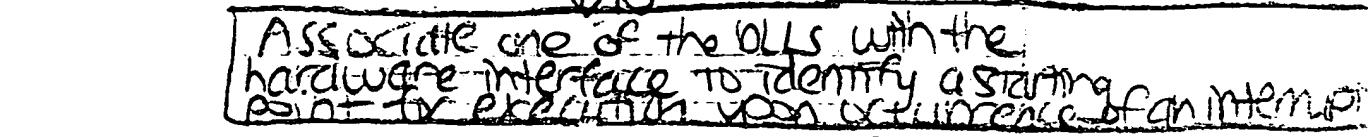
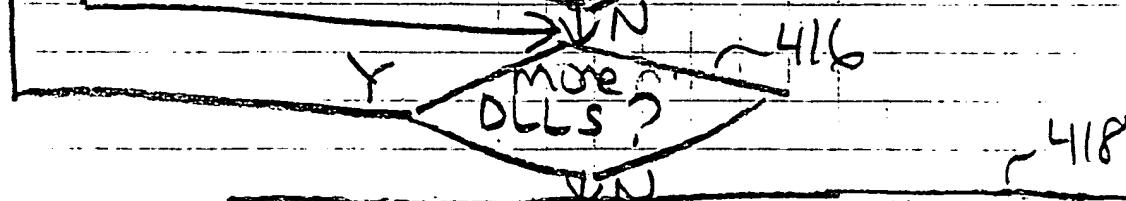
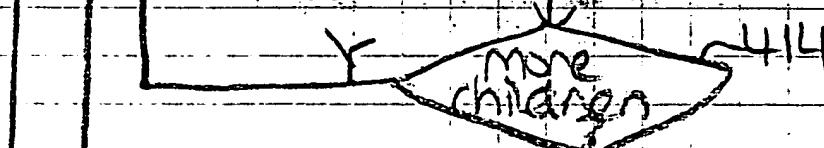
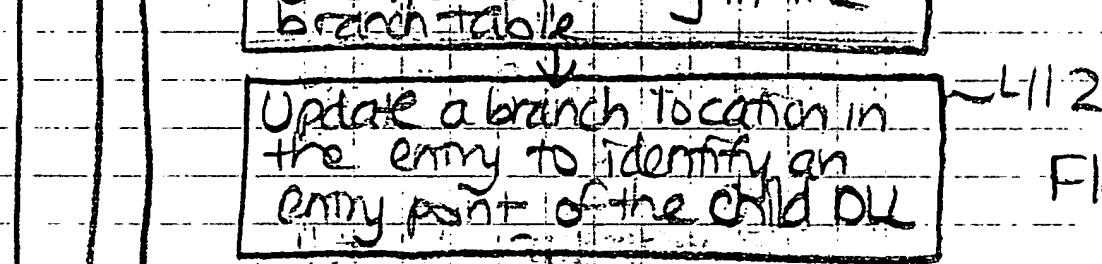
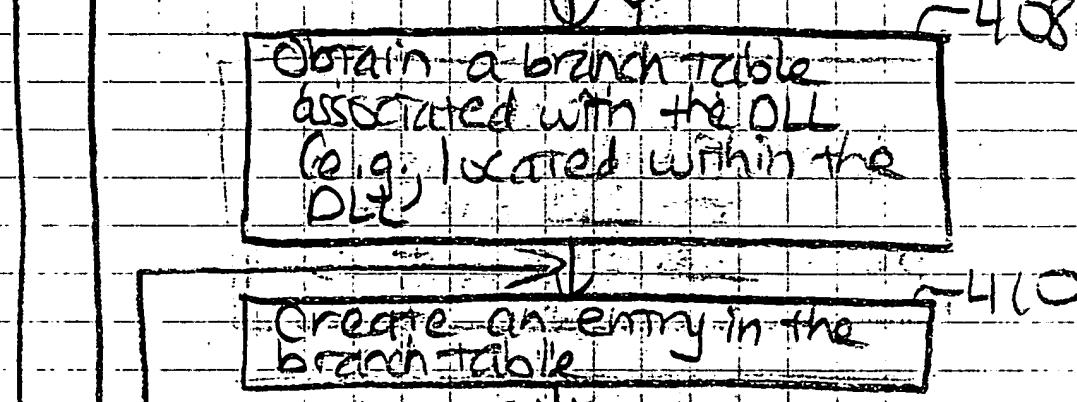
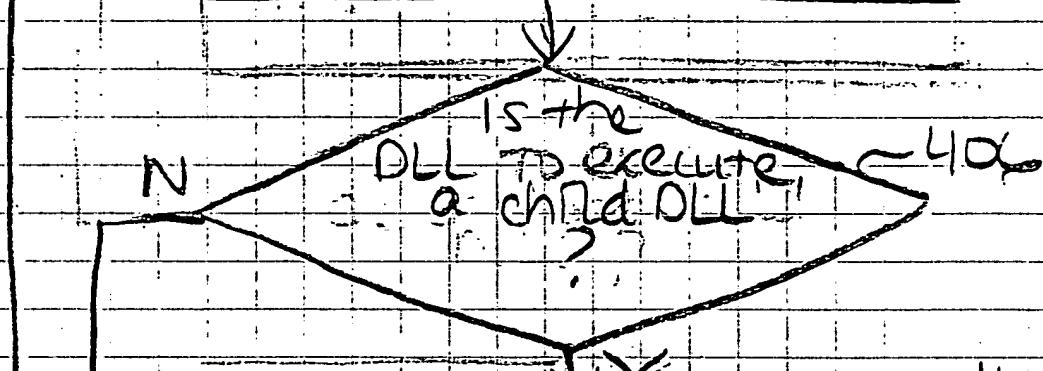
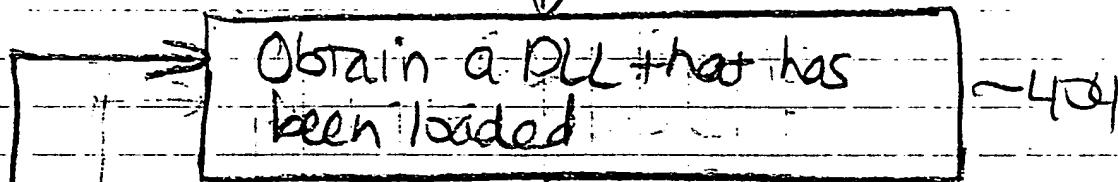
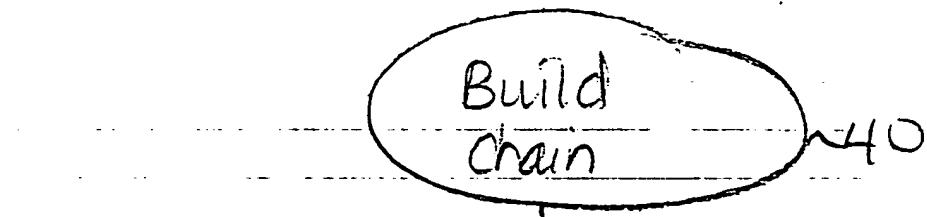


FIG. 4

Chain walker
executes
chain

~S02

Receive hardware
interrupt

~S01

Ascertain starting point
for execution of API
in a chain of DLLs

~S06

Begin execution at
the starting point

~S08

When execution of the
DLL is completed,
branch to the entry
point identified by
one of the entries
in the branch table
of the DLL (e.g.,
parameter passed)

~S10

Execute child DLL
identified by the one of
the entries of the branch table

~S12

N
End
of chain
Y

~S14

Done

~S16

FIG. 5

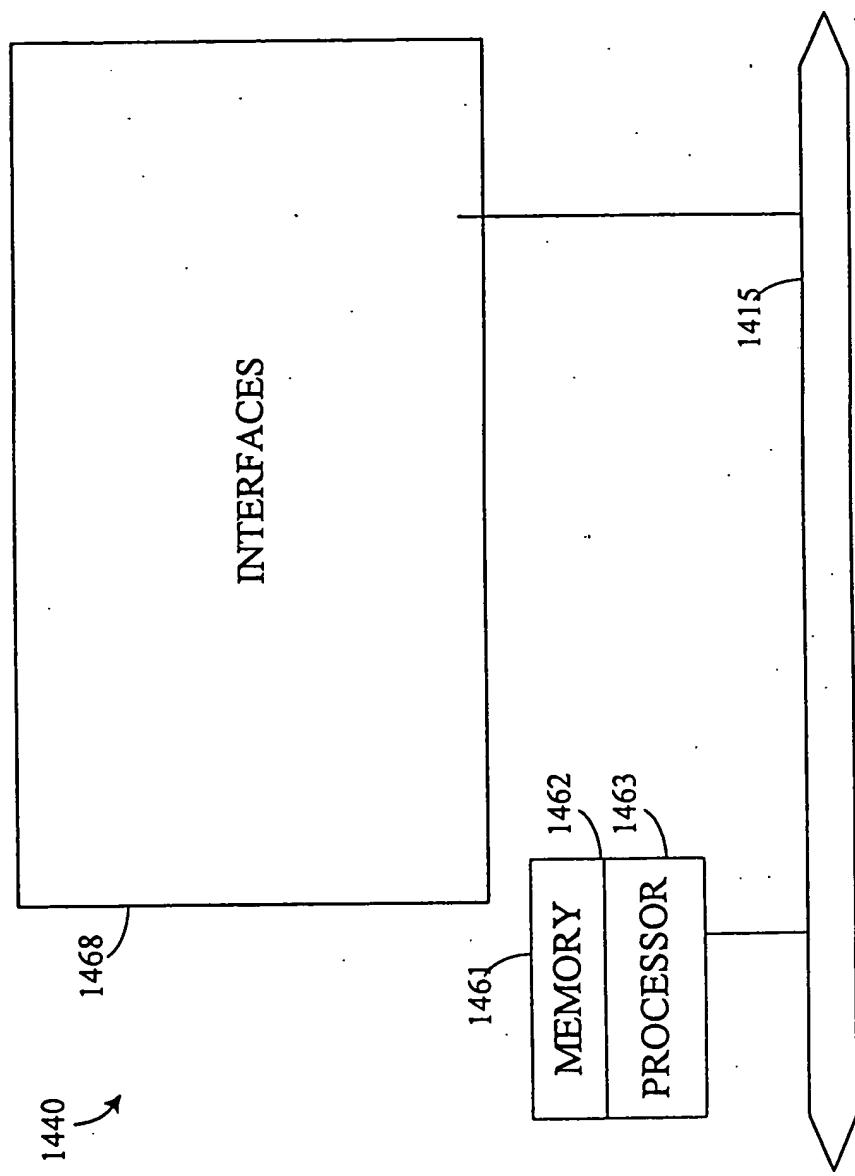


Figure 6